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(54) FUEL OIL FOR FUEL CELL, DESULFURIZATION METHOD AND METHOD FOR PRODUCING HYDROGEN

(57)Abstract:

PROBLEM TO BE SOLVED: To produce a petroleum-based hydrocarbon easy to undergo desulfurization treatment and suitable as a raw fuel oil for fuel cells, to provide a desulfurization method for producing a fuel oil for fuel cells through desulfurization treatment of the above hydrocarbon, and to provide a method for producing hydrogen for fuel cells by using the fuel oil obtained above.

SOLUTION: The raw fuel oil for fuel cells is characterized by being ≤ 15 wt.ppm in alkylidibenzothiophene content. The hydrocarbon desulfurization method comprises subjecting the above raw fuel oil to desulfurization treatment, and the method for producing hydrogen for fuel cells comprises catalyzing the thus obtained fuel oil with a reforming catalyst.

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